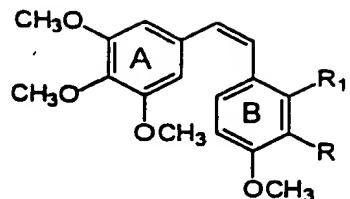


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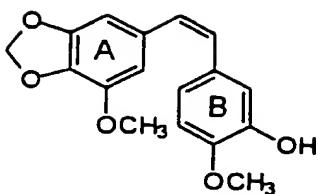
1a. $R = OH, R_1 = OH$
Combretastatin A-1

1b. $R = OH, R_1 = H$
Combretastatin A-4

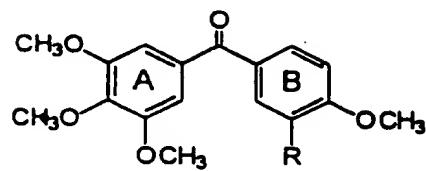
1c. $R = OSi(CH_3)_2C(CH_3)_3, R_1 = H$

1d. $R = OPO_3Na_2, R_1 = H$
Combretastatin A-4 prodrug

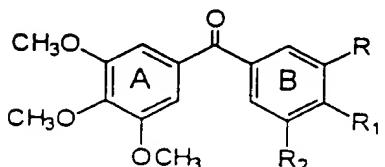
1e. $R = R_1 = H$



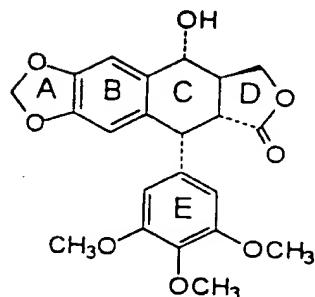
2. Combretastatin A-2



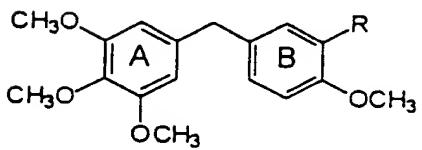
3a. R = OSi(CH₃)₂C(CH₃)₃
3b. R = OH, Phenstatin
3c. R = OPO₃(C₆H₅CH₂)₂
3d. R = OPO₃Na₂
 Phenstatin prodrug
3e. R = OCOCH₃



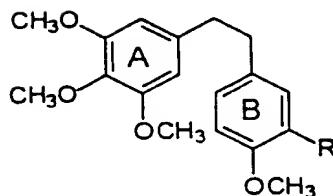
4a. R = H, R₁,R₂ = OCH₂O
4b. R = R₂ = CH₃, R₁ = H
4c. R = H, R₁ = R₂ = OCH₃
4d. R = R₂ = OCH₃, R₁ = H
4e. R = R₂ = Cl, R₁ = H
4f. R = R₂ = F, R₁ = H



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7a, R = OH

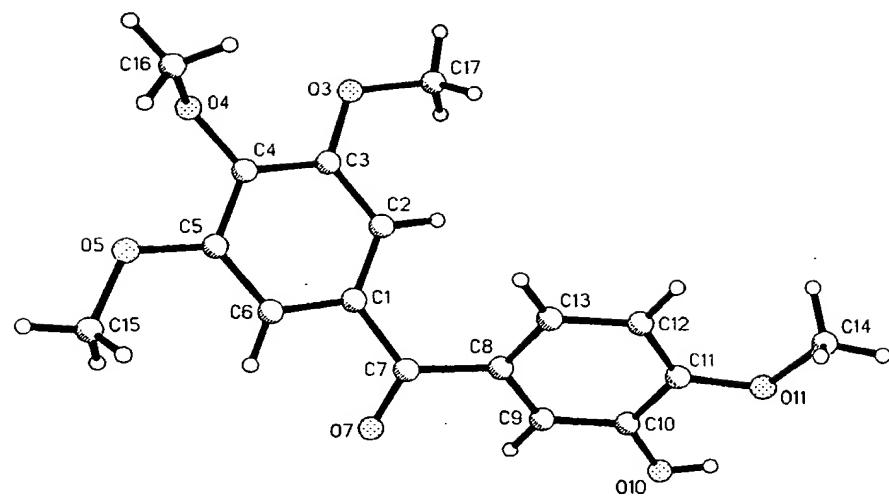


8a, R = OH

8b, R = H

Figure 1

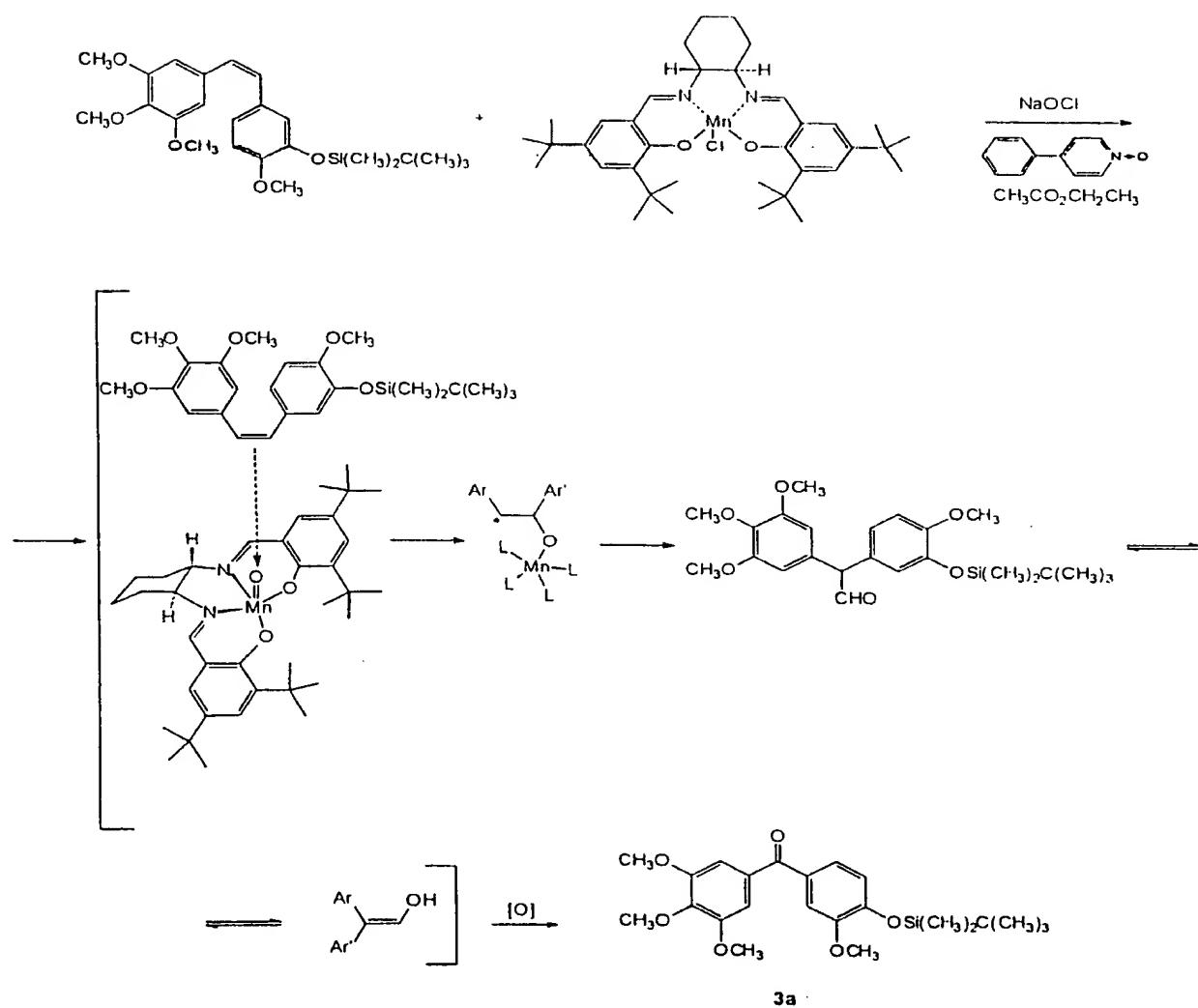
2/5



095622332 030500

Figure 2.

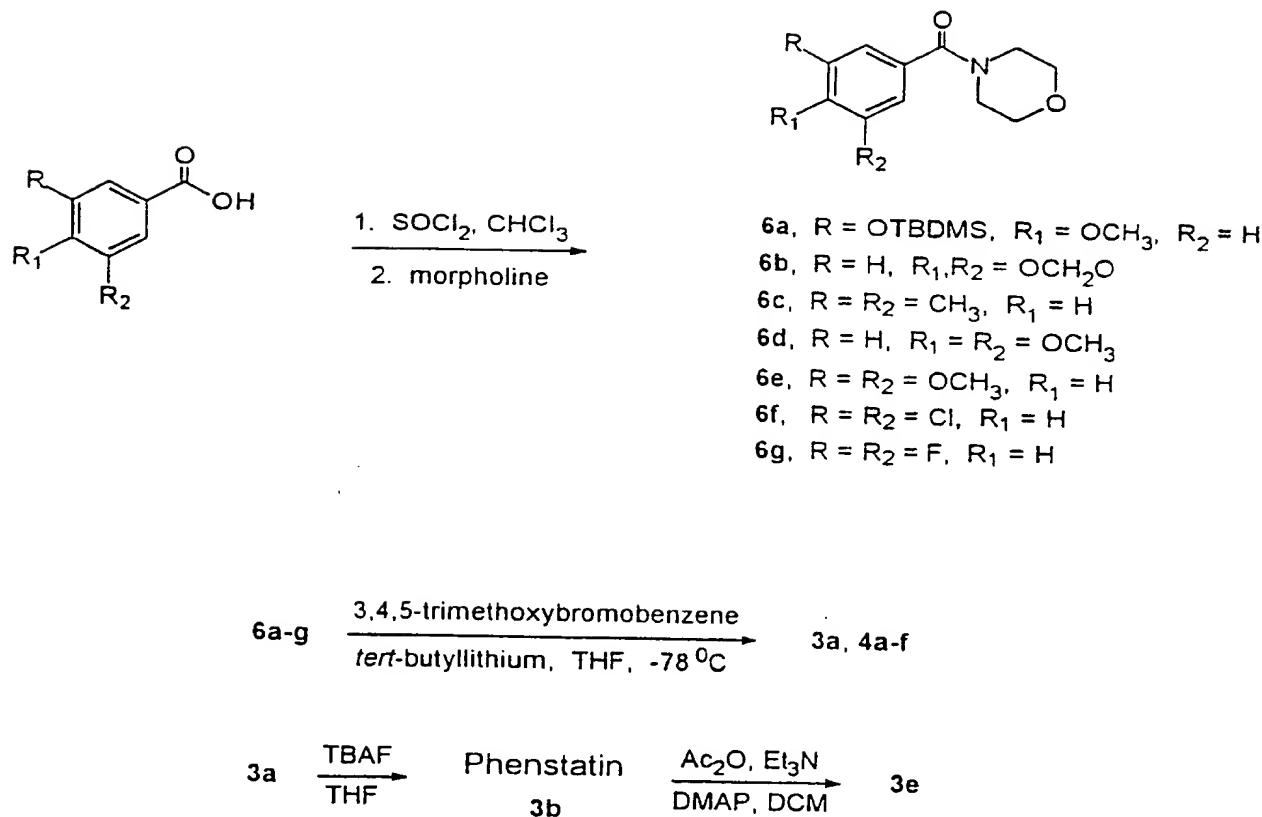
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Scheme 1. Oxidation of Combratstatin A-4 silyl ether (1c) to phenstatin silyl ether (3a).

Figure 3.

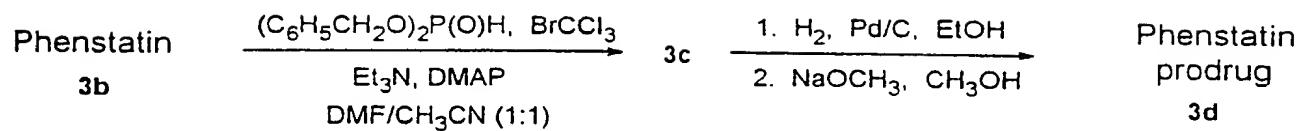
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Scheme 2

Figure 4.

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Scheme 3

Figure 5.